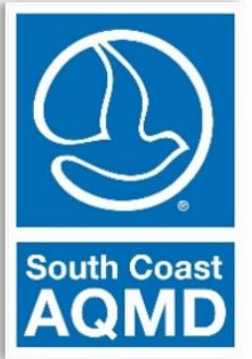


Working Group Meeting #3

July 13, 2022, 1:00PM



PROPOSED RULE 1460 – CONTROL OF PARTICULATE EMISSIONS FROM METAL RECYCLING AND SHREDDING OPERATIONS

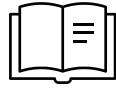
Join Zoom Meeting

https: <https://scaqmd.zoom.us/j/92076108429>

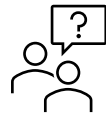
Zoom Webinar ID: 920 7610 8429

Teleconference Dial-In: +1 669 900 6833

Agenda



Previous Working Group Meeting Summary



Response to Comments



Proposed Rule Language



Next Steps

Working Group Meeting #2 Recap



- Provided an update on potential facility universe
- Discussed potential rule concepts

Category	Recommendation Summary
Housekeeping	Use approved cleaning methods for routine cleaning, coverings for waste material
Best Management Practices	Apply water and implement procedures to minimize dust emissions, enclosures, site improvements
Administrative Procedures	Registration, recordkeeping, signage

Stakeholder Comments From Working Group Meeting #2



Comment #1

- There may be restrictions on water use for dust control under stormwater regulations due to concerns over off-site run-off

Comment #2

- Is there a maximum height for material piles? Can perimeter walls be required to protect the community?

Comment #3

- How will South Coast AQMD ensure collected facility information is kept confidential?

Stakeholder Comments From Working Group Meeting #2



Comment #4

- Will there be exemptions based on size or facility throughput?

Comment #5

- Will there be more specific requirements for metal shredding facilities?

Response to Comment #1: There may be restrictions on water use for dust control under stormwater regulations due to concerns over off-site run-off



- Under the Clean Water Act, no person is allowed to discharge pollutants into a “water of the United States” without a National Pollutant Discharge Elimination System (NPDES) permit
- Metal recycling facilities are typically subject to either an Industrial General Permit or a Scrap Metal Permit
 - Both include requirements to implement a Storm Water Pollution Prevention Plan (SWPPP) to ensure discharges do not impact water quality or public health
- SWPPPs require good housekeeping Best Management Practices (BMPs) to:
 - Minimize dust generated from industrial materials or activities
 - Implement effective wind erosion controls
 - Minimize or prevent material tracking
- State Water Board staff has clarified that
 - Watering for dust control does not conflict with stormwater permit requirements but may increase challenges for facilities to ensure total maximum daily load is met
 - Recycling water is encouraged

Response to Comment #2: Is there a maximum height for material piles? Can perimeter walls be required to protect the community?



- Local government land use regulations typically include property height restrictions and set back requirements to ensure public safety
- Los Angeles County recently adopted a green zone ordinance applicable to facilities in unincorporated portions of the county
 - Establishes specific requirements for metal recycling facilities
 - All materials should be stored on a paved impermeable surface or within an enclosed building
 - Materials stored outdoors should be at least 10 feet away from surrounding walls, or the length equal to the wall height, whichever is greater
 - Height of material piles cannot exceed the height of facility perimeter fencing
- PR 1460 is intended to address housekeeping and best management practices
 - Specifying maximum heights for material piles is currently beyond the scope of PR 1460

Response to Comment #3: How will South Coast AQMD ensure collected facility information is kept confidential?



- South Coast AQMD requires many facilities to report information that may be deemed confidential by the facility
- South Coast AQMD is subject to the California Public Records Act regarding the disclosure of information
- California Government Code section 6254.7(e) explains that facilities may assert, at the time of submittal, a trade secret exemption to protect confidential information from public disclosure
- If facilities are required to report information that is deemed confidential, a mechanism will be included in the PR 1460 registration process for a facility to indicate if information is considered confidential

Response to Comment #4: Will there be exemptions based on size or facility throughput?

Response to Comment #5: Will there be more specific requirements for metal shredding facilities?

- Proposed rule language will be further discussed in the presentation
 - Additional requirements for Metal Shredding Facilities:
 - Enclosure requirements for new Metal Shredding Equipment
 - Specific control requirements for Metal Shredder Residue
- Additional comments are encouraged throughout the rule development process

PROPOSED RULE LANGUAGE

Background

- The following series of slides regarding the initial preliminary draft rule language are for discussion purposes only
- A formal preliminary draft rule will be circulated prior to the PR 1460 public workshop
- Public workshop comments will be responded to in the Draft Staff report
- South Coast AQMD staff is available to discuss comments throughout rule development process





(a) Purpose

(b) Applicability

(c) Definitions

(d) Registration

(e) Housekeeping

(f) Best Management Practices

(g) Signage

(h) Prohibitions

(i) Recordkeeping

(j) Fees

(k) Exemptions

PR 1460 Structure

Purpose and Applicability

- The purpose of the PR 1460 is to minimize fugitive particulate emissions from metal recycling and metal shredding facilities
- PR 1460 will be applicable to metal recycling and metal shredding facilities
 - METAL RECYCLING FACILITY and METAL SHREDDING FACILITY definitions adapted from California Code of Regulations, Title 14, Section 17402.5
 - Complete exemption from rule requirements included in subdivision (k)



Key Definitions

- **BUILDING ENCLOSURE** means a permanent building or physical structure, or a portion of a building, with a floor, walls, and a roof to prevent exposure to the elements, (e.g., precipitation, wind, run-off), where opening are only to allow access for people, vehicles, equipment, or workpieces.
- **FUGITIVE DUST** means any solid particulate matter that becomes airborne, other than that emitted from an exhaust stack, directly or indirectly as a result of the activities of any person.
- **MATERIAL PROCESSING AREA** means the area where Scrap Metal processing activities such as truck unloading, container loading, sorting, shearing, torch cutting, baling, shredding, or storage take place.
- **METAL SHREDDER RESIDUE** means the material that remains after shredding Scrap Metal, after Ferrous Metals and Non-Ferrous Metals have been separated and removed, and before chemical stabilization/treatment occurs.

Key Definitions (cont.)

- **PRESCRIBED CLEANING METHOD** means a process to remove or collect debris using a wet mop, damp cloth, wet wash, low-pressure spray nozzle, wet vacuum, dry vacuum with dust suppression, or a combination of the above methods that does not result in the generation of fugitive dust emissions.
- **SCRAP METAL** means any metal or items comprising of multiple materials including metal, that have been discarded or removed from the use for which it was produced or manufactured for and is intended for reprocessing.
- **THROUGHPUT** means the weight of metal, in tons, collected at a Metal Recycling Facility or Metal Shredding Facility.
- **WASTE MATERIAL** means material generated from Metal Recycling Facility or Metal Shredding Facility activities that is not intended for resale and includes, but is not limited to, plastics, vinyl, sponge, foam, leather, textiles, Soil, rubber, and glass.

Registration

- Metal recycling facilities are fugitive emission sources, but many do not have permitted equipment
- Registration allows for a better understanding of facilities and their operations
 - Aids in conducting outreach and compliance activities
- Staff will develop a registration form to help facilities comply
- Considering electronic submittal

(d) Registration Requirements

- (1) On or before January 1, 2023, the owner or operator of an Existing Metal Recycling Facility or Metal Shredding Facility shall register with the South Coast AQMD by submitting the following information in a format approved by the Executive Officer:
 - (A) Facility name;
 - (B) Facility location address and mailing address;
 - (C) Facility legal owner(s), contact person, title, telephone number, and mailing address;
 - (D) Number of employees at the facility;
 - (E) Hours of operation;
 - (F) Whether a Sensitive Receptor is within 100 meters (328 feet) of facility boundary;
 - (G) Identification (ID) and/or permit numbers issued by either the California Integrated Waste Management Board or the Local Enforcement Agency;
 - (H) Facility ID issued by the South Coast AQMD, if applicable;
 - (I) Any equipment that requires a South Coast AQMD Permit to Operate, if applicable;
 - (J) Torch cutting equipment; and
 - (K) Facility Scrap Metal Throughput in tons per year for the preceding calendar year based on the following ranges:
 - (i) Less than 1,000 tons;
 - (ii) Greater than or equal to 1,000 tons and less than 25,000 tons;
 - (iii) Greater than or equal to 25,000 tons and less than 50,000 tons; or
 - (iv) Greater than or equal to 50,000 tons.

Registration

- New metal recycling and metal shredding facilities will also be required to register prior to beginning operations
 - An update of registration information will allow South Coast AQMD to be informed of key changes to a metal recycling or metal shredding operation
- (2) After January 1, 2023, the owner or operator of a New Metal Recycling Facility or Metal Shredding Facility shall register with the South Coast AQMD by submitting the information in subparagraphs (d)(1)(A) through (d)(1)(K) prior to the start of metal recycling or metal shredding operations.
 - (3) No later than January 1, 2024, and every year thereafter, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall submit the information required by paragraph (d)(1) if there are changes to any of the following information included in a prior registration:
 - (A) Facility location address and mailing address;
 - (B) Facility legal owner(s), contact person, title, telephone number, and mailing address;
 - (C) Facility Scrap Metal Throughput range;
 - (D) Installation of additional torch cutting equipment; or
 - (E) Whether an additional Sensitive Receptor(s) is located within 100 meters (328 feet) of facility boundary.

Housekeeping

- When properly and consistently implemented, housekeeping can minimize fugitive emissions
- Requirements specific to:
 - Traffic areas
 - Material processing areas
- Store material collected from housekeeping/air pollution control devices in covered containers to prevent re-entrainment

(e) Housekeeping Requirements

- (1) Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall use a Prescribed Cleaning Method to clean the following areas daily:
 - (A) Traffic areas used by vehicles throughout the facility including, but not limited to, internal travel areas, the entrance, exit, and truck scales; and
 - (B) Material Processing Areas.
- (2) Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall store all materials collected from an air pollution control device, or materials collected from the housekeeping requirements pursuant to paragraph (e)(1) in covered containers. The container shall remain covered except when being filled or emptied.

Best Management Practices

- Apply water to dust producing activities
- Reduce emissions from storage piles

(f) Best Management Practices Requirements

- (1) Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall apply water at sufficient quantities and frequencies to minimize Fugitive Dust emissions from:
 - (A) Unloading Scrap Metal from vehicles or containers;
 - (B) Handling Scrap Metal for transportation throughout the facility; and
 - (C) Processing Scrap Metal by activities including, but not limited to, sorting, shearing, baling, or shredding.
- (2) Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall apply water daily at sufficient quantities and frequencies to minimize Fugitive Dust emissions from Scrap Metal storage piles.

Best Management Practices (cont.)

- Reduce emissions generated from on-site vehicular activity

- Curtail metal processing activities during high winds

- (3) Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall ensure vehicles travel at a speed to minimize Fugitive Dust emissions.
- (4) Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility within 100 meters (328 feet) from a Sensitive Receptor shall cease Scrap Metal unloading and loading activities, sorting, shearing, baling, torch cutting, and shredding activities that are not conducted within a Building Enclosure if the instantaneous wind speed exceeds 25 mph.

Best Management Practices (cont.)

- Pave material processing areas to minimize dust generation
- Install device(s) to prevent soil and other material from being tracked off the site from exiting vehicles

- (5) Beginning January 1, 2025, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall ensure Material Processing Areas are paved.
- (6) Beginning July 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall install and utilize the following at each vehicle egress from the site to a paved public road:
 - (A) A wheel shaker or wheel spreading device consisting of raised dividers (rails, pipe, or grates) at least 24 feet long and 10 feet;
 - (B) A wheel washing system that is installed, operated, and maintained in accordance with the manufacturer's specifications; or
 - (C) Any other control measures to ensure visible track out does not exceed 25 feet or more in cumulative length from the facility.

Best Management Practices (cont.)

- Contain non-solid industrial materials or wastes that can be dispersed by wind

Metal Shredding Facility Requirements

- Metal Shredder Residue is a byproduct of shredding activities
- Can include toxic materials
- Additional controls necessary until Metal Shredder Residue is treated

- (7) Beginning July 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall ensure Waste Material is:
 - (A) Stored in a container that shall remain covered except when being filled or emptied; or
 - (B) Treated with sufficient quantities of water to minimize Fugitive Dust emissions.

- (8) Beginning July 1, 2023, the owner or operator of a Metal Shredding Facility shall ensure Metal Shredder Residue is stored in an enclosure with at least three walls that extend at least two feet above the height of the Metal Shredder Residue.

Signage

- Signage provides community members contacts to address complaints
- Requirements are consistent with other particulate rules
- Guidance provided on sign requirements (location, text, etc.)

(g) Signage Requirements

- (1) Beginning July 1, 2023, the owner or operator of an Existing Metal Recycling Facility or Metal Shredding Facility shall install and maintain signage. Unless otherwise approved in writing by the Executive Officer, signage shall:
 - (A) Be installed within 50 feet of all entrances to the facility that are visible to the public, and in a location on each side of the facility that is visible to the public;
 - (B) Be located between 6 and 8 feet above grade from the bottom of the sign;
 - (C) Display lettering at least 4 inches tall with text contrasting with the sign background; and
 - (D) Display the following information in English and Spanish:
 - (i) Local or toll-free phone number for the site contact that is accessible 24 hours a day; and
 - (ii) Notification statement:
“TO REPORT AIR QUALITY ISSUES SUCH AS ODORS, DUST, OR SMOKE FROM THIS FACILITY, PLEASE CALL [FACILITY CONTACT AND PHONE NUMBER] OR THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT AT 1-800-CUT-SMOG®”.
- (2) The owner or operator of a New Metal Recycling Facility or Metal Shredding Facility shall comply with the signage provisions pursuant to paragraph (g)(1), prior to the start of metal recycling or metal shredding operations.

Prohibitions

New Metal Shredder

- Building enclosures can minimize fugitive emissions
- Facilities will be required to install new metal shredders within a building enclosure

(h) Prohibitions

Beginning January 1, 2023, an owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall not install or construct a Metal Shredder unless the equipment is located for operation within a Building Enclosure.

Recordkeeping

- Consistent recordkeeping allows a facility to demonstrate compliance
- Records include:
 - Monthly throughput
 - Housekeeping
 - Complaints received
- Records to be kept on-site for three years and made available upon request

(i) Recordkeeping

Beginning January 1, 2023, the owner or operator of a Metal Recycling Facility or Metal Shredding Facility shall keep and maintain the following records on-site for three years and shall make them available to the Executive Officer upon request:

- (1) Records of Throughput for each calendar month that shall be completed no later than the 15th of the subsequent calendar month;
- (2) Daily records of housekeeping for all required activities that shall be completed by the end of each business day; and
- (3) Complaints received by the facility, including the name of complainant and contact information, date and time, and action taken to mitigate the source of the complaint.

Fees

- Facilities registering or updating registration information subject to fees pursuant to Rule 306 - Plan Fees (Rule 306)
- South Coast AQMD staff discussing appropriate Rule 306 fees and process for accepting registrations

(j) Fees

- (1) The owner or operator of a Metal Recycling Facility or Metal Shredding Facility subject to the registration requirements pursuant to paragraphs (d)(1) and (2) shall be subject to a Plan Filing Fee pursuant to Rule 306 – Plan Fees (Rule 306) at the time of registration.
- (2) The owner or operator of a Metal Recycling Facility or Metal Shredding Facility that updates registration information pursuant to paragraph (d)(3) shall be subject to a Plan Filing Fee pursuant to Rule 306.

Exemptions

- Based on a review of existing regulations, exemptions provided for:

- Auto dismantlers
- Metal melting facilities
- Lead processing facilities
- Recycling centers
- Material recovery facilities

(k) Exemptions

The provisions of this rule shall not apply to:

- (1) Auto Dismantlers that are engaged in the buying, selling, or dealing in vehicles, including nonrepairable vehicles, for the purpose of dismantling the vehicles, buying, or selling the integral parts and component materials thereof, in whole or in part, or dealing in used motor vehicle parts.
- (2) Metal melting facilities or lead processing facilities that are subject to the following South Coast AQMD rules:
 - (A) Rule 1407 – Control of Emissions of Arsenic, Cadmium, and Nickel from Non-Chromium Metal Melting Operations;
 - (B) Rule 1407.1 – Control of Toxic Air Contaminant Emissions from Chromium Alloy Melting Operations;
 - (C) Rule 1420 – Emissions Standard for Lead;
 - (D) Rule 1420.1 – Emission Standards for Lead and Other Toxic Air Contaminants from Large Lead-Acid Battery Recycling Facilities; or
 - (D) Rule 1420.2 – Emission Standards for Lead from Metal Melting Facilities.
- (3) Recycling Centers where the primary business is to accept and pay for or provide the refund value for empty beverage containers intended to be recycled from consumers; and
- (4) Material Recovery Facilities where solid waste or recyclable materials are sorted or separated, by hand or by use of machinery, into recyclable materials and residual waste, for the purposes of recycling or composting, and offsite disposal of residual waste.

Initial Preliminary Draft Rule Language

- Additional Opportunities to Comment
 - Future Working Group Meetings
 - Public Workshop
 - Additional meetings as needed



Recent Comments

- Staff met with stakeholders on July 7th to discuss comments on the initial preliminary draft rule language
 - Discussed several items, including the different types of metal received and variety of storage piles at metal recycling and shredding facilities
- Some scrap metals received by the facility are considered “clean metal” with little to no debris or dirt, e.g., scrap cutting from metal processing facilities
 - May receive steel or aluminum with no other types of scrap metal
 - These metals are kept in separate locations and are not mixed with other scrap metals
- Stakeholders would like consideration for different requirements for these specific types of scrap metal storage piles
 - Piles are not a source of dust and watering could lessen the value of the metal
- Staff would like to further discuss how to categorize this specific type of scrap metal storage pile and if to allow different requirements

Next Steps



Continue Working Group Process



Public Workshop: Third Quarter 2022 (Preliminary Draft Rule Language and Preliminary Draft Staff Report)



Set Hearing: October 2022



Adopt Hearing: November 2022

Staying Updated



- Sign up to receive e-mail updates via <http://www.aqmd.gov/sign-up>

[Sign Up](#)

The South Coast AQMD offers periodic newsletter updates via Email on a variety of topics . Click on the Manage Subscriptions link at the bottom of the form to update your subscriptions (unsubscribe from lists, subscribe to additional lists, or change your Email address).

If you wish to receive daily pollution forecasts or alerts for specific pollution levels in your area, sign up for [Air Alerts](#).

For printed copies of South Coast AQMD publications that mailed to you, please visit [Subscription Services](#) (charges may apply).

Enter the following information:

Email Address:	Re-Enter Email Address:
<input type="text"/>	<input type="text"/>
First Name (optional):	Last Name (optional):
<input type="text"/>	<input type="text"/>

Subscribe by checking the box adjacent to the E-Mail List(s) you are interested in and then CLICK on the Subscribe button below:

General Notifications:

<input type="checkbox"/> Events & Conferences	List of stakeholders interested in events and conferences.
<input type="checkbox"/> South Coast AQMD News	Brief updates highlighting what is current at South Coast AQMD, such as conferences, equipment exchanges, advisories, etc.
<input type="checkbox"/> South Coast AQMD Advisor	South Coast AQMD's comprehensive bi-monthly newsletter containing the latest news, including rule updates, the latest on programs for businesses

Subscribe by scrolling down the page and checking off the box for Proposed Rule 1460 to receive future meeting notices and links to documents



<input type="checkbox"/> Rule 1426	Emissions from Metal Finishing Operations
<input type="checkbox"/> Rule 1435	Control of Emissions from Metal Heat Treating Processes
<input checked="" type="checkbox"/> Rule 1460	Control of Particulate Emissions from Metal Recycling and Shredding Operations
<input type="checkbox"/> Rule 1466	Toxic Air Contaminant Emissions from Decontamination of Soil
<input type="checkbox"/> Rule 1469	Hexavalent Chromium Emission from Chrome Plating and Chromic Acid Anodizing Operations

Staff Contacts

Tiffani To

Air Quality Specialist

 (909) 396-2738

 tto@aqmd.gov

Heather Farr

Planning and Rules Manager

 (909) 396-3672

 hfarr@aqmd.gov

Michael Krause


Assistant Deputy Executive Director

 (909) 396-2706

 mkrause@aqmd.gov

Michael Laybourn


Program Supervisor

 (909) 396-3066

 mlaybourn@aqmd.gov

Kalam Cheung

Planning and Rules Manager

 (909) 396-3281

 kcheung@aqmd.gov